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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-167 (cancelled).

168 (new). A method of effecting change in the surface antigens expressed by a cell or a multi-cellular structure comprising the step of:

contacting a suspension of the cell or multi-cellular structure with a synthetic molecule construct of the structure F-S₁-S₂-L for a time and at a temperature sufficient to effect the change;

where:

F is a glycotope;

 S_1 is a C_{3-5} -aminoalkyl selected from the group consisting of: 3-aminopropyl, 4-aminobutyl, or 5-aminopentyl;

 S_2 is selected from the group consisting of: -CO(CH₂)₃CO-, -CO(CH₂)₄CO- (adipate) and -CO(CH₂)₅CO-; and

L is a lipid selected from the group consisting of diacyl- and dialkyl-glycerophospholipids.

169 (new). The method according to claim 168 where the construct includes the substructure:

where n = 3 to 5, M is H or a monovalent cation selected from the group consisting of Na^+ , K^+ or NH_4^+ , and * is other than H.

- 170 (new). The method according to claim 168 where the cell or multi-cellular structure is of human or murine origin.
- 171 (new). The method according to claim 168 where the concentration of the construct in the suspension is in the range 0.1 to 10 mg/mL.
- 172 (new). The method according to 168 where the suspension of the cell or multi-cellular structure is contacted with the construct at a temperature in the range 2 to 37 °C.
- 173 (new). The method according to claim 172 where the suspension of the cell or multi-cellular structure is contacted with the construct at a temperature in the range 2 to 25 °C.
- 174 (new). The method according claim 173 where the suspension of the cell or multi-cellular structure is contacted with the construct at a temperature in the range 2 to 4 °C.
- 175 (new). The method according to claim 168 where F is selected from the group consisting of GalNAcα1-3(Fucα1-2)Galß; Galα1-3Galß; Galß; Galß; Galß; Galα1-3(Fucα1-2)Galß; NeuAcα2-3Galß; NeuAcα2-6Galß; Fucα1-2Galß; Galß1-4GlcNAcß1-6(Galß1-4GlcNAcß1-3)Galß; Fucα1-2Galß1-4GlcNAcß1-6(Fucα1-2Galß1-4GlcNAcß1-3)Galß; Fucα1-2Galß1-4GlcNAcß1-6(NeuAcα2-3Galß1-4GlcNAcß1-3)Galß; NeuAcα2-3Galß1-4GlcNAcß1-6(NeuAcα2-3Galß1-4GlcNAcß1-3)Galß; Galα1-4Galß1-4Glc; GalNAcß1-3Galα1-4Galß1-4Glc; GalNAcß1-3Galα1-4Galß1-4Glc; and GalNAcß1-3GalNAcß1-3Galα1-4Galß1-4Glc; and GalNAcß1-3GalNAcß1-3Galα1-4Galß1-4Glc.
- 176 (new). The method according to claim 175 where F is selected from the group consisting of the oligosaccharides GalNAc α 1-3(Fuc α 1-2)Galß and Gal α 1-3(Fuc α 1-2)Galß.

177 (new). The method according to claim 168 where S_1 is 3-aminopropyl.

178 (new). The method according to claim 168 where L is selected from the group consisting of 1,2-O-dioleoyl-sn-glycero-3-phosphatidylethanolamine (DOPE) and 1,2-O-distearyl-sn-glycero-3-phosphatidylethanolamine (DSPE).

179 (new). The method according to claim 168 where the construct is:

designated A_{tri}-sp-Ad-DOPE (I).

180 (new). The method according to claim 168 where the construct is:

designated Atri-sp-Ad-DSPE (III).

181 (new). The method according to claim 168 where the construct is:

designated B_{tri}-sp-Ad-DOPE (VI).

182 (new). The method according to claim 168 where the construct is:

designated H_{tri}-sp-Ad-DOPE (VII).

183 (new). The method according to claim 168 where the construct is:

designated H_{di}-sp-Ad-DOPE (VIII).

184 (new). The method according to claim 168 where the construct is:

designated Galß-sp-Ad-DOPE (IX).

185 (new). The method according to claim 168 where the construct is:

designated Fucα1-2Galβ1-3GlcNAcβ1-3Galβ1-4GlcNAc-sp-Ad-DOPE (XII).

186 (new). The method according to claim 168 where the construct is:

designated Fucα1-2Galβ1-3(Fucα1-4)GicNAc-sp-Ad-DOPE (XIII).

187 (new). The method according to claim 168 where the cell or multi-cellular structure is a red blood cell.

188 (new). The method according to claim 187 where F is a ligand for a binding molecule where the presence of the binding molecule is diagnostic for a pathological condition.

189 (new). The method according to claim 188 where F is a ligand for an antibody (immunoglobulin).